रजिस्टर्ड सं. डी--(डी एन)--128/91 REGISTERED NO. D—(DN)—128/91

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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No. 30] NEW DELHI, SATURDAY, JULY 27, 1991 (SRAVANA 5, 1913)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 27th July, 1991

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Telegraphic address "PATOFFICE".

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Madras-600 002.

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Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Bldg.,
5th, 6th and 7th Floor,
234/4, Acharya Jagdish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by Bank Draft or Cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 27 जुलाई 1991

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली।

तार पता—"पेटोफिसे"

पेटेंट कार्यालय शाखा,
इकाई सं० 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकॉय तथा एमिनिदिवि द्वीप।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020

भारत का अवशेष क्षेत्र

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : —शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय स्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती हैं।

CORRIGENDUM

In the Gazette of India, Part-III, Sec-2, dated the 16th March, 1991 in Column 2 of Page No. 321, for 168330 (458/Cal/87) insert "Post-dated 12th October, 1987" before the line 'Comp. Specn. left on 5th January, 1989'.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act 1970.

The 10th June, 1991

434/Cal/91 Diwakar Mahadev Joshi. Improved hydraulic double barrelled brake system for automobiles.

435/Cal/91 Ashis Chakrabarty. A portable hoisting device.

436/Cal/91 Westinghouse Electric Corporation. Improvements in or relating to electrical circuit breaker operating handling block.

437/Cal/91 Somar Corporation. Expandable powder coating composition.

438/Cal/91 Institut Strukturnoi Makrokinetiki Akademii Nauk Sssr. Method for preparing an electrode material for the electrical discharge alloying.

439/Cal/91 Agan Chemical Manufacturers Ltd. Process for preparing DDTr-Free p, p'-dicofol.
[Divisional date 30th January, 1990].

The 11th June, 1991

440/Cal/91 Goro S.A. A method of producing devices for interconnecting conveyor or similar belts and connectors produced by the method.

441/Cal/91 Goro S.A. Clips for connecting the ends of a conveyor belt and an apparatus for securing such clips.

442/Cal/91 Atochem North America, Inc. Composition for dissolving sulfur and process for its use.

443/Cal/91 Fidia S.P.A. A cosmetic article containing a total or partial ester of alginic acid or a salt thereof.
[Divisional date 11th October, 1989].

444/Cal/91 Unilever Plc. FCC-processing using catalyst contain metal ion exchange zeolite.

The 12th June, 1991

445/Cal/91 Bimal Chandra Bhattacharyya and Pintu Banerjee. Flexible top biogas plant.

446/Cal/91 Aplicaciones Farmaceuticas S.A. DE C.V. Injectable pharmaceutical composition.

447/Cal/91 Aplicaciones Farmaceuticas S.A. DE C.V. Parenteral dosage form.

The 13th June, 1991

448/Cal/91 Santanu Roy. A process of manufacturing wood substitute product from paper industry waste.

449/Cal/91 E.I. Du Pont De Nemours and Company. Improvements relating to bonded non-woven polyester fiber structures.

450/Cal/91 General Electric Company. Industrial gas turbine engine bucket and method.

451/Cal/91 Hoechst Celanese Corporation. A method for the preparation of 4-Acetoxystyrene.

The 14th June, 1991

452/Cal/91 Samsung Electronics Co. Ltd. Motion signal detecting circuit.

The 17th June, 1991

453/Cal/91 Copeland Corporation. Oldham coupling for scroll compressor.

454/Cal/91 Copeland Corporation. Counterweight shield for refrigeration compressor.

455/Cal/91 E.I. Du Pont De Nemours and Company. Fiber-forming copolyamide and fibers produced therefrom.

456/Cal/91 Samsung Electronics Co. Ltd. Motion signal detecting circuit.

457/Cal/91 Indian Jute Industries Research Association. Electro mechanical semi automatic cutting device for lapped jute cloth.

The 18th June, 1991

458/Cal/91 Mr. Bikash Saha and Subhashis Roy. SMPL-Anti Pollutant fuel saving device.

459/Cal/91 Hoechst Celanese Corporation. A process for making low optical density polymers and copolymers for photoresists and optical applications.

460/Cal/91 Hitachi Construction Machinery Co. Ltd. Hydraulic drive system for civil-engineering and construction machine.

461/Cal/91 Hitachi Construction Machinery Co. Ltd. Control system for load sensing hydraulic drive circuit.

462/Cal/91 Hitachi Construction Machinery Co. Ltd. Hydraulic drive system for civil-engineering and construction machine.

463/Cal/91 Hoechst Aktiengesellschaft. Disazo compounds, preparation thereof and use thereof as dyes.

464/Cal/91 Amal Kumar Chakraborty. An improvement.

The 19th June, 1991

465/Cal/91 Tampella Power Oy. Combustion Unit.
(Convention dated 21st January, 1991; No. 9101324.3; Great Britain).

466/Cal/91 Geoff Rey Norman Pain. A method and apparatus for treating a surface.
(Convention dated 29th June, 1990; No. PK 0879/90; Australia).

467/Cal/91 Mitsuba Electric Manufacturing Co. Ltd. Magneto-generator.

468/Cal/91 Upendra Kumar Das. Solar Stove.

The 20th June, 1991

469/Cal/91 BWG Butzbacher Weichenbau GmbH. A means of securing a rail.

470/Cal/91 Hoechst Aktiengesellschaft. Monoazo compounds, preparation thereof and use thereof as dyes.

471/Cal/91 Lanxide Technology Company, Lp. Methods for making self-supporting composite bodies and articles produced thereby.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-5

The 13th May, 1991

410/Del/91 Bharat Heavy Electricals Ltd., "A new dimension to the application of 'Molybdenum disulphide spray coating' as a low cost surface enhancement technology for extra-ordinarily extending life and improving performance of the cutting tools".

411/Del/91 Witco Corporation, "Polymer stabilizer and polymer composition stabilized therewith".

412/Del/91 Aktiebolaget Astra, "Improved method for synthesis".

The 14th May, 1991

413/Del/91 UOP, "Production of ether from alcohol and isoolefin in the presence of H_2O with H_2O/alcohol recycle".

414/Del/91 Rajvir Singh, "Solar turbine".

415/Del/91 Avery International Corporation, "Dry paint transfer process and product".
[Divisional date 16th March, 1988].

416/Del/91 Exxon Chemical Patents Inc., "A composition capable of improving at least the low temperature flow properties of a lubricating oil composition".
[Divisional date 10th May, 1988].

417/Del/91 Motorola Inc., "Communication signal having a time domain pilot component".

418/Del/91 Motorola Inc., "Satellite base global paging system".

The 15th May, 1991

419/Del/91 The University of Sydney, "A power supply". (Convention date 15th May, 90) (Australia).

420/Del/91 Pfizer Inc., "Synergistic therapeutic compositions and method".

The 16th May, 1991

421/Del/91 The Procter & Gamble Co., "Low pH granular laundry detergent compositions containing chlorine scavengers".

422/Del/91 The Procter & Gamble Co., "Low pH Granular laundry detergent compositions containing aluminosilicate, citric acid and carbonate builders".

423/Del/91 Davy McKee (Stockton) Ltd., "A converter vessel support assembly". (Convention date 18th May, 90) (U.K.).

424/Del/91 ZC Mines Pty. Ltd. "Transport apparatus". (Convention date 17th May, 90) (Australia).

The 17th May, 1991

425/Del/91 Smita Dua, "Luggage handling device".

426/Del/91 Sumitter Choudhary, "Domestic and commercial utencil cleaning machines".

427/Del/91 Purolator India Ltd, "A filter for causing a filtration of aviation turbine fuel".

428/Del/91 FBI Brands Ltd., "A method of producing liquid food products". (Convention date 11th March 88) (Canada).
[Divisional date 6th March, 1989].

429/Del/91 Urban Transportation Development Corporation Ltd., "A transit system". (Convention date 13th March, 87) (Canada) & [Divisional date 10th March, 1988].

430/Del/91 Astra Meditec AB, "Cartridge for a two-chamber injector".
[Divisional date 18th March, 1991].

431/Del/91 ZC Mines Pty. Ltd., "Transport apparatus". (Convention date 17th May, 90) (Australia).

432/Del/91 Allied Signal Inc., "Amorphous Fe-B-Si alloys exhibiting enhanced AC magnetic properties and handleability".

The 21st May, 1991

433/Del/91 Carpenter Technology Corporation, "Process for making clad articles and article made thereby".

434/Del/91 Yoshie Kurihara, "Taste-modification composition and method for stabilizing taste-modifier".

435/Del/91 Council of Scientific & Industrial Research, "A process for the production of 2-methylpyrazine (2-MP) from N-(B-hydroxypropyl) ethylene diamine (B-HPEDA) using zinc-chromite based catalysts".

436/Del/91 Council of Scientific & Industrial Research, "A process for the production of 2-methylpyrazine (2-MP) from 2-methyl piperazine (2-Me-PiP) using zinc chromite based catalysts".

437/Del/91 Council of Scientific & Industrial Research, "An improved process for the preparation of N-mono-substituted amides from nitriles and alcohols".

438/Del/91 Council of Scientific & Industrial Research, "An improved process for the preparation of N-mono-substituted amides from nitriles and olefins".

439/Del/91 Council of Scientific & Industrial Research, "An improved process for the separation of dihydroxybenzene isomers using zeolite Na-Y".

440/Del/91 Council of Scientific & Industrial Research, "An improved process for the separation of dihydroxybenzene isomers using zeolite beta-H".

441/Del/91 Council of Scientific & Industrial Research, "An improved process for the preparation of antimony trioxide".

442/Del/91 Ceram Tech International Ltd., "Room temperature curable surface coatings and methods of producing and applying same".

443/Del/91 Pannevis B.V., "A method for removing liquid from a mixture of liquid and solid matter".

444/Del/91 Urban Transportation Development Corporation Ltd., "A transit system".
(Convention date 13th March, 87) (Canada) & [Divisional date 10th March, 1988].

445/Del/91 Digital Equipment Corporation. "A digital data processing system".
[Divisional date 8th April, 1988].

446/Del/91 Digital Equipment Corporation, "A digital data processing system".
[Divisional date 8th April, 1988.

The 23rd May, 1991

447/Del/91 Vijay Anand, "Apparatus and method for extruding single and multiple layers of plastic".

448/Del/91 Devtech, Inc., "Blow molding process for producing a one-piece plastic container".
[Divisional date 23rd May, 1988].

The 27th May, 1991

449/Del/91 The Procter & Gamble Co., "Hair conditioner".

450/Del/91 The Procter & Gamble Co., "Hair treatment compositions".

451/Del/91 Hughes Aircraft Co., "Gas-recirculating electrode for electrochemical system".

452/Del/91 Alsthom, "Moving blading for steam turbines". [Divisional date 3rd March, 1988].

453/Del/91 Union Carbide Corporation, "An improved process for the separation of a more permeable component of a fluid feed mixture from a less permeable component". [Divisional date 7th April, 1988].

454/Del/91 Mobil Solar Energy Corporation, "Wet-tip die for EFG crystal growth apparatus".

The 29th May, 1991

455/Del/91 J.D. Khetrapal, "Belt/cap beams to retaining walls/tanks".

456/Del/91 J.D. Khetrapal, "Sleepers as foundation device".

457/Del/91 Leonard Robert Lefkowitz, "A method of producing a non-woven fabric". [Divisional date 22nd March, 1988].

458/Del/91 GPT Ltd., "SDH rejustification. (Convention date 4th June, 90) (Canada).

459/Del/91 Rudolf W. Gunnerman, "Aqueous fuel for internal combustion engine and method of combustion".

460/Del/91 John Donald Wishart, "Improvements in split cycle internal combustion engines". (Convention date 29th May, 1990) (Australia).

461/Del/91 Uday Ram Sharma, "A water tap".

462/Del/91 Shanmugasundaram Venkatesan, "A driving or propelling means".

463/Del/91 Shanmugasundaram Venkatesan, "A bicycle".

The 30th May, 1991

464/Del/91 A.K. Madan & Others, "Process for microencapsulation".

465/Del/91 The Standard Oil Co., "A method of manufacturing a catalyst from a catalyst precursor". [Divisional date 24th October, 1988].

466/Del/91 Polyfelt Gesellschaft m.b.H., "Process for manufacturing needled spunbondeds".

467/Del/91 Honda Giken Kogyo Kabushiki Kaisha, "A regenerative brake device for electric motor vehicles".

468/Del/91 Russell D. Ide., "Multi-deflection pad hydrodynamic thrust and journal bearings having a modular construction".

The 31st May, 1991

469/Del/91 Ranjana Gupta, "A process for the preparation of a pharmaceutical preparation having anti-fertility and anti-viral activity including human immunodeficiency virus".

470/Del/91 T.S. Rajan, "An improved animal driven vehicle".

471/Del/91 Polymerix, Inc., "Construction material obtained from recycled polyolefins containing other polymers".

472/Del/91 Premier Brands UK Ltd., "Improvements relating to the packaging of tea". (Convention date 1st June, 90) (U.K.).

473/Del/91 Colgate-Palmolive Co., "Toilet soap bar composition with alkyl polyglycoside surfactant".

474/Del/91 Paul Wurth S.A., "Device for the automatic coupling of a blowing-in lance to a manifold".

ALTERATION OF DATE UNDER SEC. 16

168969 (928/Cal/1988): Ante-dated to November 13, 1985.

168970 (393/Cal/1989): Ante-dated to March 17, 1986.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT 1970

Claim made by Bera Anstalt under section 20(1) of the Patents Act 1970, to proceed the application for Patent No. 157703 in their name has been allowed.

PATENTS SEALED

166932 166934 166935 167058 167060 167189 167190 167241 167262 167270.

CAL = 2

MAS = 8

DEL = NIL

BOM = NIL

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that *Dr. P. Sivaprasad, 142, Stage 2, Chinmaya Nagar*, Madras-600092, have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent No. 165602 for "*A PROCESS FOR ELEMENTAL SULPHUR RECOVERY FORM SULPHUR SLUDGE IN SULPHONIC ACID PLANT*". The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition, is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

RENEWAL FEES PAID

148709 148813 149384 149632 149653 149816 150539 150588 150642 150731 150934 151015 151479 151535 151563 151624 151675 151677 151814 152044 152116 152117 152324 152706 152736 152840 152905 152966 153150 153320 153444 153474 153565 153604 153622 153798 153909 153933 154219 154276 154436 154627 154642 154673 154891 154898 155457 155496 155564 155681 155761 155765 155867 155984 156018 156192 156487 156512 156515 156528 156570 156572 156573 156698 156755 156827 156899 156987 156992 157302 157385 157400 157409 157411 157597 157753 157768 157892 157955 158031 158034 158109 158166 158341 158543 158597 158683 158687 158699 158820 159055 159092 159201 159327 159492 159559 159720 159722 159740 159743 159796 159999 160085 160231 160365 160600 160706 160790 160819 161012 161041 161063 161074 161085 161334 161384 161385 161472 161512 161553 161675 161698 161729 161775 161891 161937 161938 162001 162103 162150 162177 162598 162686 162713 162794 162843 162882 162943 163224 163379 163458 163738 163873 163970 164139 164289 164506 164623 164630 164712 164762 164787 164797 164822 164889 164910 164913 164936 165001 165030 165054 165100 165197 165237 165249 165376 165426 165489 165499 165581 165686 165709 165822 165848 165908 165969 166013 166044 166071 166064 166075 166114 166126 166155 166203 166401 166504 166505 166506 166508 166524 166527 166528 166529 166561 166592 166602 166603 166608 166609 166643 166645 166674 166677 166679 166697 166699 166700 166746 166766 166789 166800 166801 166802 166806 166832 166833 166836 166838 166840 166849 166882 166974 166998 166999 167000.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 164481 dated 1st August 1985 made by Instruments and Components on the 7th June 1990 and notified in the gazette of India, Part III, Section 2 dated the 6th October 1990 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 161549 dated the 12th June1984 made by BICC Public Limited Company on the 6th June 1990 and notified in the Gazette of India, Part III, Section 2 dated the 6th October 1990 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 153576 dated the 8th December 1980 made by DST S.A. on the 6th August 1990 and notified in the Gazette of India, Part III, Section 2 dated the 29th December 1990 has been allowed and the said patent restored.

(4)

Notice is hereby given that an application for restoration of Patent No. 161547 dated the 8th May 1984 made by Suresh Kumar Chawla on the 3rd May 1990 and notified in the Gazette of India, Part III, Section 2 dated the 29th September 1990 has been allowed and the said Patent restored.

(5)

Notice is hereby given that an application for restoration of Patent No. 161277 dated the 12th June 1984 made by BICC Public Limited Company on the 6th June 1990 and notified in the Gazette of India, Part III, Section 2 dated the 6th October 1990 has been allowed and the said Patent restored.

(6)

Notice is hereby given that an application for restoration of Patent No. 161819 dated the 17th August 1984 made by The Tata Iron & Steel Co. Ltd. on the 17th August 1990 and notified in the Gazette of India, Part III, Section 2 dated the 29th December 1990 has been allowed and the said Patent restored.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र-15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप है।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथासमय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2-/ रु० है (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथाप्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां, यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु० है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl.: 105 C
Int. Cl.: G 11 B 7/00. 168951

AN OPTICAL STORAGE DEVICE.

Applicant: INSTITUT PROBLEM MODELIROVANIA V ENERGETIKE AKADEMII NAUK UKRAINSKOI SSR, OF KIEV, PROSPEKT POBEDB, 56, USSR.

Inventors: (1) VYACHESLAV VASILIEVICH PETROV, (2) ALEXANDR ALEXANDROVICH ANTONOV, (3) ALEXANDR PIETROVICH TOKAR, (4) ANDREI ANDREEVICH KRJUCHIN, (5) VLADIMIR PETROVICH SKURIDIN, (6) NIKOLAI VASILIEVICH GORSHKOV, (7) VALERY DMITRIEVICH KOVTUN, (8) LEONID MIKHAILOVICH GAPCHENKO, AND (9) ANTON VASILIEV ICH VOZOVIK.

Application No. 371/Cal/1987, filed on 7th May, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

An optical storage device comprising a source (1) of modulated coherent radiation, which is optically connected with a cylindrical information carrier (2, 23, 30, 38) equipped with a rotational drive means in relation to a liquid or gaseous reaction and a recording coating applied on the external surface of a tubular base (9, 36) of the cylindrical carrier (2, 23, 30, 38) characterized in that the cylindrical carrier (2, 23, 30, 38) is disposed in a cylindrical container (3) provided with a window (4) in the lateral wall thereof and a lens (5) secured in said window (4) to let through the radiation flux from the source (1) of modulated coherent radiation, the inner space of the cylindrical container (3) being filled with a liquid or gaseous medium transparent for the radiation flux, the length of the stationary cylindrical container (3) being twice as long as that of the recording coating (12) applied on the tubular base (9, 36) of the cylindrical information carrier (2, 23, 30, 38) equipped with an axial drive motion means.

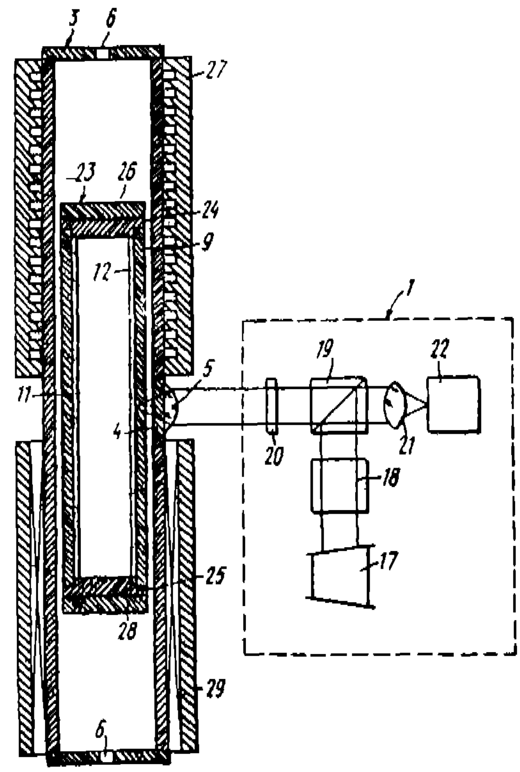


Fig. 2

Compl. Specn. 15 Pages. Drgs. 4 Sheets.

Cl.: 69—I 168952
Int. Cl.: H 01 H 50/30.

ELECTROMAGNETIC CONTACTOR HAVING IMPROVED STRUCTURE AND ASSEMBLY.

Applicant: EATON CORPORATION, 1111 SUPERIOR AVENUE, CLEVELAND, OHIO 44114, U.S.A.

Inventor: MARVIN ERNEST OSTBY.

Application No. 629/Cal/1987, filed on 12th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

15 Claims

An electromagnetic contactor having a molded insulating enclosure including a lower housing and an upper housing and an upper housing including means fixing said upper housing onto said lower and movable contacts in said upper housing, an insulating molded contact carrier supporting said movable contacts and means guiding said contact carrier for reciprocal movement in said upper housing, an electromagnet comprising an E-shaped magnet frame, a coil, means supporting said magnet frame and coil in said lower housing, an armature secured to said contact carrier and a return spring normally biasing said armature away from said frame for attraction by said magnet frame when said coil is energized to operate said contacts; characterized in that said means fixing said upper housing and said lower housing comprise:

retaining means at one end of said upper housing and said lower housing cooperatively engaged to afford hooking of said upper housing onto said lower housing at said one end and pivoting the other end of said upper housing about said cooperatively engaged retaining means into assembled position on said lower housing;

securing means for attaching the other end of said upper housing to said lower housing to join said upper housing to said lower housing

and locating means operable to insure correct location of said return spring as said upper and lower housings are joined.

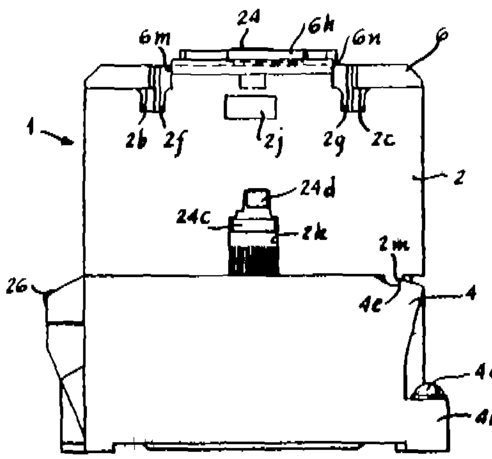


Fig. 1

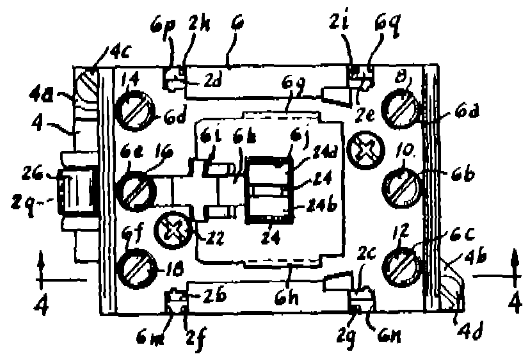


Fig. 2

Compl. Specn. 25 Pages. Drgs. 6 Sheets.

Cl. : 40—F 168953
Int. Cl. : B 01 J 19/00, 19/18.

CATALYTIC REACTOR.

Applicant : TOYO ENGINEERING CORPORATION, OF 2-5, KASUMIGASEKI 3-CHOME, CHIYDA-KU, TOKYO, JAPAN.

Inventors : (1) HIROSHI KASAI, (2) YUJI KAWAMOTO.

Application No. 665/Cal/1987, filed on 24th August 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

A vertical catalytic reactor for bringing a gaseous starting material into contact with a solid catalyst to cause an exothermic conversion reaction and hence to obtain a gaseous reaction product, said reactor comprising a reaction vessel (1), a plurality of catalyst beds (4, 5, 6) arranged one below the other along the vertical central axis of the reaction vessel (1) and coaxially with the vertical central axis of the reaction vessel (1) within the reaction vessel so as to allow a reaction gas to flow consecutively therethrough, and a plurality of heat exchangers (7, 8) arranged coaxially with the vertical central axis of the reaction vessel (1) within the reaction vessel and connected respectively to the catalyst beds (4, 5, 6) so that a reaction gas from each of the catalyst beds (4, 5, 6) is cooled in the corresponding heat exchanger (7, 8) before entering the subsquent catalyst bed (4, 5, 6), each of said catalyst beds (4, 5, 6) being composed of inner and outer gas-transmitting cylindrical side walls having different diameters and arranged coaxially with the vertical central axis of the reactor vessel (1), an upper and lower end walls provided respectively on the upper and lower extremities of the gas-transmitting inner and outer cylindrical side walls and the solid catalyst packed to form said catalyst beds (4, 5, 6) within an annular space defined by the gas-transmitting inner and outer cylindrical side walls and the upper and lower end walls, thereby allowing the corresponding reaction gas to flow radially through the catalyst bed, characterized in that at least one of the catalyst beds (4, 5, 6) and at least two of the heat exchangers (7, 8) are disposed coaxially with the vertical central axis of the reaction vessel (1) and substantially at the same height.

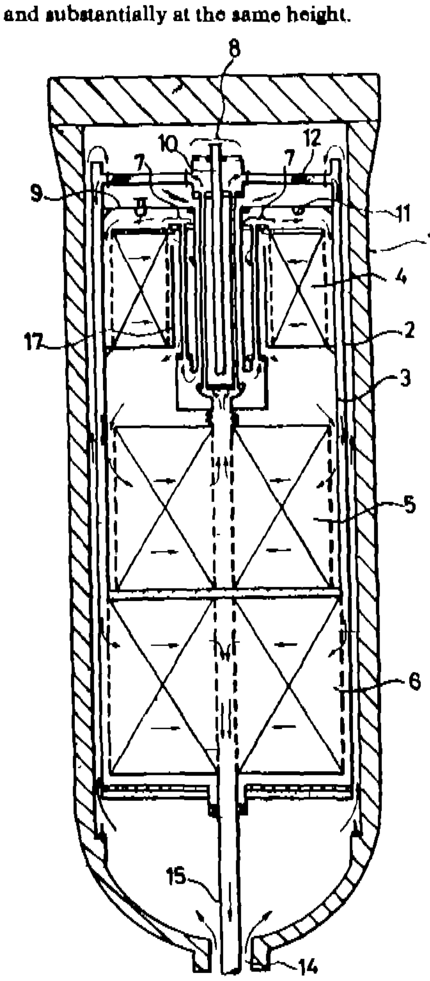


Fig. 1

Compl. Specn. 16 Pages. Drgs. 4 Sheets.

Cl.: 39-A, 164-C 168954
Int. Cl.: C 01 B 7/19; C 02 f 1/00.

A PROCESS FOR THE RECOVERY OF FLUORIDE VALUES FROM WASTE MATERIALS.

Applicant: COMAICO ALUMINIUM LIMITED, OF 55 COLLINS STREET, MELBOURNE, VICTORIA, COMMONWEALTH OF AUSTRALIA.

Inventors: (1) CHRISTOPHER GEOFFREY GOODES, (2) GRANT ASHLEY WELLWOOD, & (3) HOWARD WAYNE HAYDEN JR.

Application No. 917/Cal/1987, filed on 23th November, 1987.

(Convention dated 22nd December, 1986; No. PH 9614, AUSTRALIA).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

14 Claims

Process for recovery of fluoride values in the form of hydrofluoric acid from waste material of the type herein described containing fluoride salts together with carbonaceous combustible components by combustion of the said components and sulpholysis of the fluoride salts, characterised in that said waste material with or without prior conventional mineral beneficiation procedure/chemical treatment, to increase concentrations of fluorides therein is subjected to combustion in a first step to oxidise combustible material and produce a fluoride-containing ash; the fluoride-containing ash is subjected to sulpholysis in a known manner in a separate step, without an intermediate leaching step to produce a gaseous product containing fluoride values in the form of hydrofluoric acid.

Compl. Specn. 22 Pages. Drgs. 2 Sheets.

Cl.: 48—D1 168955
Int. Cl.: H 01 B 17/00.

AN ANTICORROSIVE INSULATOR.

Applicant: NGK INSULATORS, LTD., OF 2-56, SUDA-CHO, MIZUHO-KU, NAGOYA CITY, AICHI PREF., JAPAN.

Inventors: (1) AKIHIRO WATANABE, (2) SHIGEO MORI.

Application No. 93/Cal/1988, filed on 3rd February, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

An anticorrosive insulator comprising an insulator body with a core and a shed extending radially from the core, and a metal cap cemented onto said core so as to cover the core characterized in the metal cap having a lower end thereof spaced from upper surface of the shed by a gap 2 ∾ 10 mm.

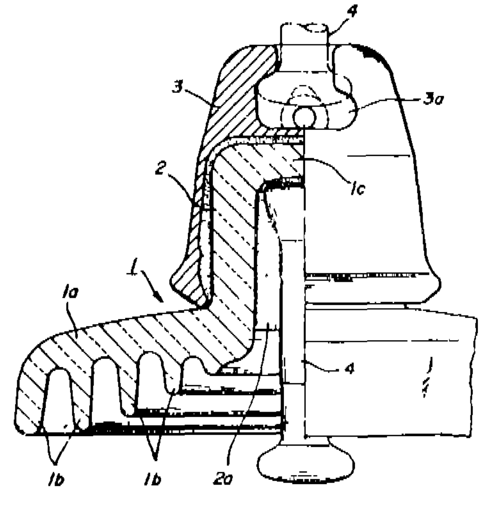


Fig 3

Compl. Specn. 14 Pages. Drgs 5 Sheets.

Cl.: 155 C 168956
Int. Cl.: D 04 H 3/00.

PROCESS FOR PREPARING IMPROVED POLYESTER FIBERFILL.

Applicant: E. I. DU PONT DE NEMOURS AND COMPANY, LOCATED AT WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors: (1) CLARKE RUST BROADDUS, (2) BRADLEY JAY GOLLHARDT.

Application No. 111/Cal/1988, filed on 8th February, 1988

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A process for preparing improved polyester fiberfill which comprises preparing poly (ethylene terephthalate) in a conventional manner thereafter, melt-spinning the poly (ethylene terephthalate) into filaments, processing the filaments in the form of a tow by drawing, crimping, relaxing and converting the crimped filaments into stapel fiber characterized in that a chain-brancher compound selected from trimellitic acid, trimesic acid or an ester thereof or tetraethyl silicate is used along with said polyethylene terephthalate before the melt-spinning of the same.

Compl. Specn. 21 Pages. Drg. 1 Sheet.

Cl.: 72—B 168957
Int. Cl.: C 06 B 31/00.

IMPROVED WATER-IN-OIL EMULSION EXPLOSIVE COMPOSITION AND METHOD FOR ITS PREPARATION.

Applicant: ICI INDIA LIMITED, OF ICI HOUSE, 34, CHOWRINGHEE ROAD, CALCUTTA-700 071, WEST BENGAL, INDIA.

Inventors: (1) PARTHASARATHI MITRA, (2) SRINIVASA-CHARY SESHAN, (3) SASANKA SEKHAR PAUL, (4) PUSHPITO KUMAR GHOSH, (5) DHIRENDRA NATH BHATTACHARYYA, & (6) SUDHAKAR VISHBU CHIKHALE.

Application No. 298/Cal/1988, filed on 10th July, 1989.

(Complete Specification left on 12th April, 1988)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

13 Claims

A water-in-oil emulsion explosive composition having improved rheology characteristics, better rigidity and a non-tacky cosistency which comprises in combination an aqueous phase consisting of:

from 40% to 80% by weight of one or more inorganic oxidiser salts such as herein described, and

from 8% to 25% by weight water;

and a fuel phase consisting of:

from 3% to 10% by weight of one or more hydrocarbon fuels such as herein described,

from 0.5% to 5% by weight of one or more conventional amulsifiers, and from 0.2% to 5% by weight of one or more polymeric compounds such as herein described possessing elastomeric properties.

Compl. Specn. 16 Pages. Drg. NIL.
Provl. Specn. 12 Pages. Drg. NIL.

CLASS: 198-D. 168958
Int. Cl.: B 03 b 5/00.

MIXER-SETTLER FOR LIQUID-LIQUID EXTRACTION.

Applicant: INSTITUT KHIMII I TEKHNOLOGII REDKIKH ELEMENTOV I MINERALNOGO SYRYA KOLSKOGO FILLIALA AKADEMII NAUK SSSR, OF MURMANSKAYA OBLAST, APATITY, ULITSA FERSMANA, 14, USSR.

Inventors: (1) LEONID IRINEEVICH SKLOKIN, (2) VLADIMIR EDUARDOVICH LEIF, (3) JURY MIKHAILOVICH SEDNEV, (4) SOFYA MIKHAILOVNA MASLOBOEVA, (5) VLADIMIR PAVLOVICH KOVALEVSKY, (6) GENRIKH VASILIEVICH KORPUSOV, (7) VLADIMIR YAKOVILEVICH STEPANOV, (8) BORIS MIKHAILOVICH BOBYLKOV, (9) VLADIMIR TROFIMOVICH KALINNIKOV, (10) BORIS MIKHAILOVICH STEFANOVICH.

Application No. 466/Cal/1988, filed on 7th June, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A mixer-settler for liquid-liquid extraction, in which each extraction chamber has a casing accommodating a first partition dividing the interior of the casing into a mixing zone having arranged therein stirring means and means for conveying light and heavy phases attached to the casing, and a settling zone communicating with the mixing zone and accommodating means for evacuating the light phase in the form of a discharge weir attached to the casing and means for evacuating the heavy phase including a hydraulic seal and a first transporting means communicating therewith, the first partition being disposed lengthwise of the longitudinal axis of the casing above the discharge weir, the mixing means having the form of at least one hollow element with walls thereof having holes outlets of which face the first partition mounted substantially perpendicularly to the longitudinal axis of the casing and connected to at least the feeding means of one of the phases, the first partition being provided with a means for controlling the height of the layer of mixture of phases in the mixing zone mounted on this partition at a location longitudinally remote from the means for feeding the phases, whereas the settling zone is provided with a second transporting means secured to the casing and positioned after the discharge weir downstream of the flow of the light phase.

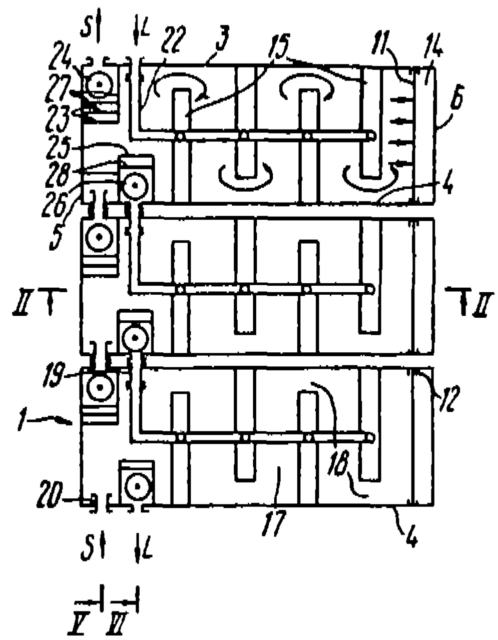


Fig. 1

Compl. Specn. 15 Pages. Drgs. 4 Sheets.

CLASS: 63-I. 168959
Int. Cl.: H 02 k 17/00.

ASYNCHRONOUS MOTOR.

Applicant & Inventors: NIKOLAI PAVLOVICH POPOV, LENINGRAD, KOLPINO, PROLETARSKAYA ULITSA, 107, KV. 76; GRIGORY NAUMOVICH KLOTSVOG, LENINGRAD, ULITSA GAVANSKAYA, II, KV. 43; ANDREI DMITRIEVICH PLOTNIKOV, LENINGRAD, PROSPEKT NASTAVNIKOV, 25, KORPUS 3, KV. 101; ISRAFIL TEIMUROVICH TALYSHINSKY, LENINGRAD, ULITSA SERDOBOLSKAYA, II, KV. 65; EVGENY ANDREEVICH TRETYAKOV, LENINGRAD, ULITSA YABLOCHKOVA, 3, KV. 31; ALL ARE USSR NATIONALS.

Application No. 473/Cal/1988, filed on 9th June, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

An asynchronous motor comprising a stator, a rotor including a core and a screen rigidly mounted thereon characterized in that said screen is formed as a multilayer arrangement having its layers composed of an iron-containing alloy of high electical conductivity, each succeeding layer in the direction towards the rotor axis being made with a decreasing electrical condictivity.

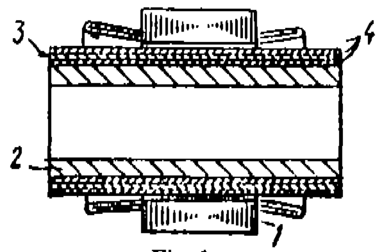


Fig. 1

Compl. Specn. 6 Pages. Drg. 1 Sheet.

CLASS : 126. 168960
Int. Cl. : H 04 r 29/00.

SCANNING DEVICE FOR ULTRASONIC QUALITY CONTROL OF ARTICLES.

Applicant : MOSKOVSKOE VYSSHEE TEKHNICHESKOE UCHILISCHE IMENI N.E. BAUMANA, OF MOSCOW, 2 BAUMANSKAYA ULITSA, 5, USSR.

Inventors : (1) NIKOLAI PAVLOVICH ALESHIN, (2) VLADIMIR JURIEVICH BARANOV, (3) VYACHESLAV MIKHAILOVICH DOLGOV, (4) ALEXANDR ALEXEEVICH YAROVOI, (5) OLEG ALEXANDROVICH PREOBRAZHENSKY.

Application No. 553/Cal/1988, filed on 28th January, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, patents Rules, 1972), Patent Office, Calcutta.

5 Claims

A scanning device for ultrasonic quality control of articles, comprising ultrasonic transducers adapted to be positioned on the article being inspected and to be urged against the surface thereof by hold-down means, mounted on the motion mechanism of the scanning device by means of a suspension assembly characterized in that said suspension assembly including flexible members positionable above the surface of the article under inspection along the direction of the travel of the device, preset with the motion mechanism, having the ultrasonic transducers fixedly mounted thereon, a beam extending above the flexible members along the direction of the travel of the device meachnically connected with the flexible members, at least two self-aligning supports having each one part carried by the beam and the other part being arranged with respect to the first-mentioned part in such a way that relative displacement of the two parts takes place relative to a rolling axis common to the self-aligning supports situated in close proximity to the surface of the article under inspection and two rockers operatively connected with the beam and with the motion mechanism.

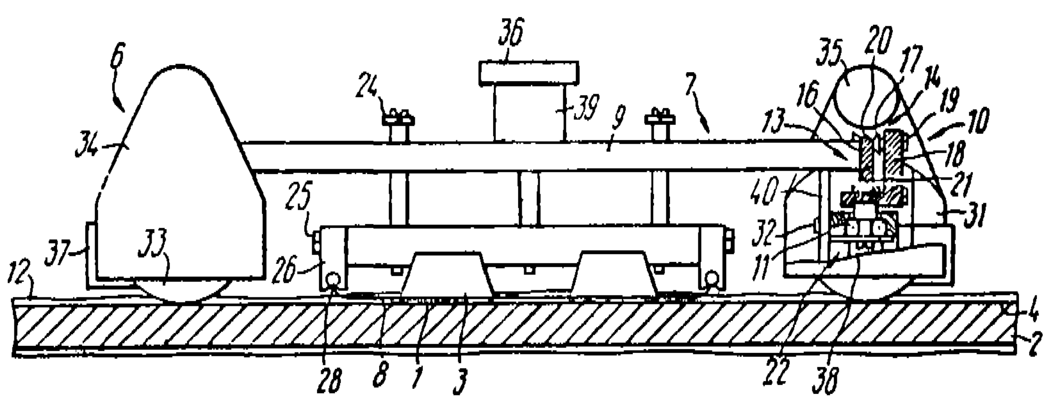


Fig. 1

Compl. Specn. 30 Pages. Drgs. 11 Sheets.

CLASS : 33-A. 168961
Int. Cl. : B 22 d 11/00; B 22 c 9/00.

PROCEDURE FOR THE MANUFACTURE OF CONTINUOUS INGOT MOULDS FOR CONTINUOUS CASTING MACHINES.

Applicant : KABEL-UND METALLWERKE GUTEHOFFNUNGSHUTTE AKTIENGESELLSCHAFT, OF KLOSTERSTRASSE 29, D-4500 OSNABRUCK, WEST GERMANY.

Inventors : (1) DR. ING. ULRICK MAIER, (2) DIPL. ING. HORST FISCHER.

Application No. 454/Cal/1987, filed on 30th April, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

18 Claims

Process for the manufacture of continuous ingot moulds for continuous casting machines, where a pipe made of copper or copper alloy is used as a blank, which pipe is formed by the application of external force, upon a core bar, having the inner end measures and/or the shape of the ingot mould to be manufactured and after the moulding operation the core bar is again removed from the ingot mould pipe, comprising the steps :

(a) wherein the pipe piece (1; 4; 11) as a blank is taken out from a blank store or blank container (SR) and led, for the purpose of preparing, into, preparing stations, arranged in series, that is, one after another, within an operating system having :

a first station (I) where a support for.the core bar (3; 9; 10; 12) which is to be intoduced, is provided at one end (2, 13) of the pipe piece (1; 4; 11);

a second station (II) where the core bar (3; 9; 10; 12) for the calibration of the pipe piece (1; 4; 11) is placed into the pipe piece;

a third station (III) where the pipe piece (1; 4; 11) is pressed upon the core bar (3; 9; 10; 12) with the help of a master metal (5; 18); and

a fourth station (IV) where the core bar (3; 9; 10; 12) is removed from the calibrated pipe piece (1'; 11') (ingot mould pipe);

(b) wherein the core bar (3; 9; 10; 12) is brought back to its starting position or working position (second station) and the calibrated pipe piece (1'; 11') is discharged.

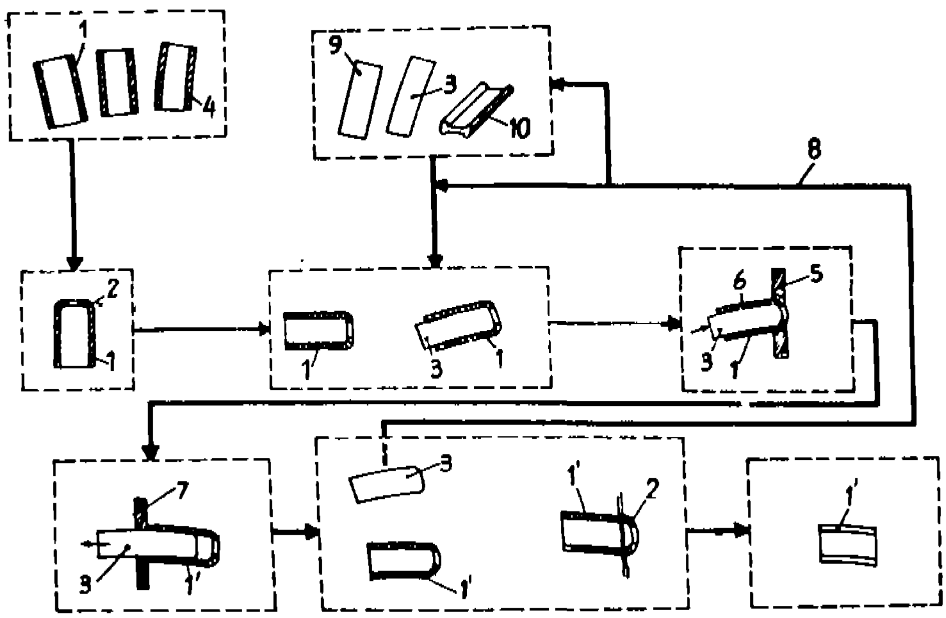


Fig. 1

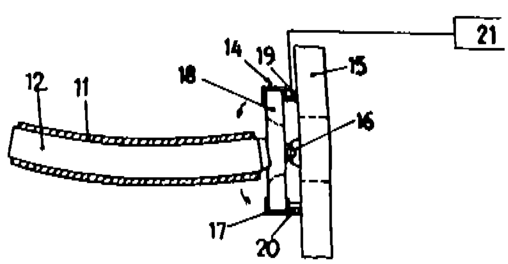


Fig. 5

Compl. Specn. 21 Pages. Drgs. 3 Sheets.

CLASS : 94-F; 102-D. 168962
Int. Cl. : F 15 b 9/00.

HYDRAULIC-PNEUMATIC ACTUATOR FOR IMPACT CUTTER.

Applicant & Inventor: GIORA GOLDMAN, OF 15 HAK-IBUZIM ST. KIRIAT HAIIM, ISRAEL.

Application No. 445/Cal/1987, filed on 8th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A hydraulic pneumatic actuator for impact cutter comprising :

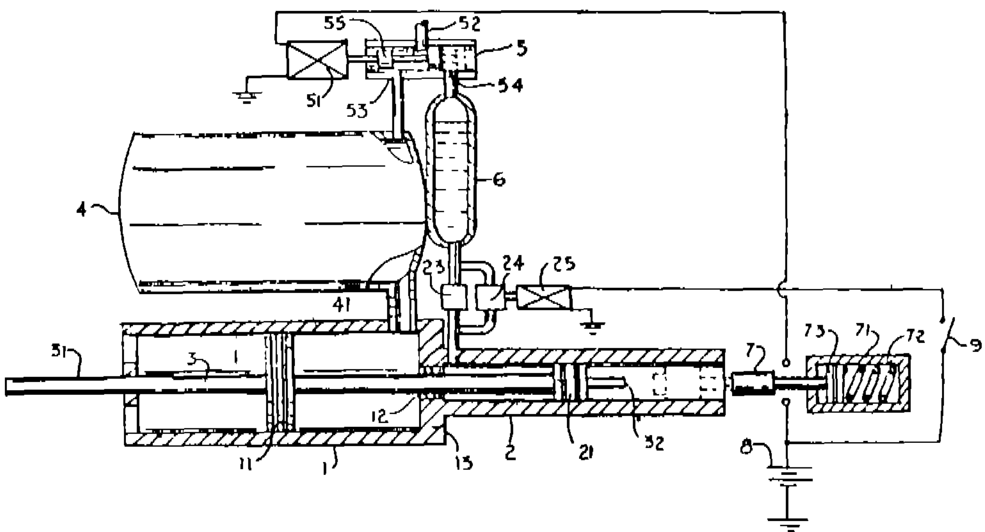
a single acting actuator having a large diameter cylinder (1) and a small diameter cylinder (2) coaxially connected at their inner ends, each cylinder containing a piston (11), (21), said pistons being interconnected by a common piston rod (3) sealingly passing through a partition (13) between said cylinders.

a large size air pressure vessel 4 communicating with the inner end of said impact actuator cylinder by means of a wide pipe (41);

a liquid filled pressure vessel (6) communicating with the inner end of said control actuator cylinder through a check valve (23) and a stop valve (24) both in parallel alignment;

valve means (5) adapted to alternatively connect said pressure vessels (4), (6) to the atmosphere and to a supply of compressed air.

a tool attached to an extension (31) of said common piston rod which in turn is connected to large diameter piston (11) protruding out of said cylinder (1) serving to impact on an object wherein the compressed air contained in both said impact actuator cylinder (1) and in said pressure vessel (4) drives said piston (11) forward at substantially constant air pressure aided by the release of said piston (11) upon opening of said stop valve (24) to the atmosphere.



Compl. Specn. 12 Pages. Drg. 1 Sheet.

CLASS : 55-EL 168963
Int. Cl. : A 61 k 39/00.

A METHOD OF PRODUCING AN IMPROVED VACCINE.

Applicant : EMORY UNIVERSITY, OF 1380 SOUTH OXFORD ROAD, ATLANTA, GEORGIA 30322, U.S.A.

Inventor : ROBERT HUNTER.

Application No. 756/Cal/1987, filed on 23rd September, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A method of producing an improved vaccine which comprises suspending a purified conjugated flagella in a saline medium at a concentration approximately 100 mg/ml.

Compl. Specn. 25 Pages. Drgs. 2 Sheets.

CLASS : 107-H. 168964
Int. Cl. : F 02 m 51/00, 57/00.

LOW PRESSURE COMPRESSED AIR ASSISTED FUEL INJECTION APPARATUS FOR ENGINE.

Applicant : INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, OF NO. 195, SEC. 4, CHUNG HSING ROAD, CHU TUNG, HSIN CHU HSIEN, TAIWAN, REPUBLIC OF CHINA.

Inventors : (1) RONG-FANG HONG, (2) HUEI-HUAY HUANG.

Application No. 119/Cal/1988, filed on 10th February, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A low pressure compressed air assisted fuel injection apparatus for engine comprising a fuel circuit having provided therewith a fuel solenoid valve an electric fuel pump and a pressure regulating valve for providing a stable pressure in the fuel circuit, a compressed air source, to produce compressed air of desired pressure said compressed air source having provided therewith an air solenoid valve, said two solenoid valves being, in turn, fixedly mounted on a fuel-and-air mixing device having an air passage and a fuel passage a mixture passage, and an atomized-fuel passage, the arrangement being such that the said fuel solenoid valve and the air solenoid valve are adapted to control the fuel and the air to be jetted out of the orifices of the respective solenoid valves in predetermined quantity and timing depending upon command generated from an electronic control unit, the jetted air and the jetted fuel, passing through said air and fuel passages, being adapted to be mixed up in said mixture passage, and said mixture being adapted to pass through said atomized-fuel passage and transferred to nozzle(s) mounted on cylinder or an intake manifold of the engine, for being finally sprayed out on the cylinder head to be burned in the engine.

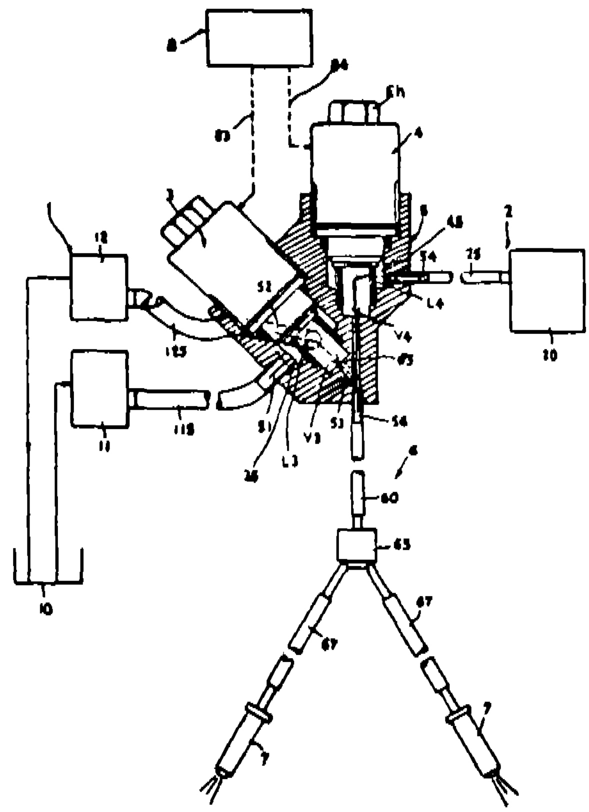


Fig. 1

Compl. Specn. 15 Pages. Drgs. 6 Sheets.

CLASS : 179-G. 168965
Int. Cl. : B 65 d 88/00, 88/56.

TRANSPORT AND STORAGE CONTAINER FOR CONCENTRATES OF BEVERAGES OR THE LIKE.

Applicant : CARL EDELMANN VERPACKUNGSTECHNIK GMBH, OF PARADIESSTRASSE 20, 7920 HEIDENHEIM/BRENZ, WEST GERMANY;

AND

THE COCA-COLA COMPANY, OF COCA-COLA PLAZA, ATLANTA, GEORGIA, U.S.A.

Inventors : (1) ERICH HEUBERGER, (2) WOLF-DIETER KNORICH, (3) JOACHIM W. DZIALLAS.

Application No. 121/Cal/1988, filed on 11th February, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

An improved transport and storage container for concentrates of beverages or the like, particularly such as fruit juice syrups or the like, for making a ready-to-drink beverage, said container being insertable into a drink-making machine and connectable to its system, wherein a dose of concentrate from the container, a dose of water and, if applicable, carbon dioxide are added; said container consisting of an inner bag package known per se with a folding box type outer cardboard casing (11) having interconnected, especially gluded together bottom and top flaps (21, 22, 24) and a liquid-tight inner bag (12) closed at its upper and a liquid-tight inner bag (12) closed at its upper and lower ends by a sealed or welded seam (13), characterized in that the inner bag gussets (23) folded inwardly in the area of the bottom and top closures lie between two bottom or top flaps (21, 22, 24) each, the bottom and the top closures both of the inner bag (12) and of the cardboard casing (11) are identically embodied characterized in that a concentrate removal and machine-connection piece (16), is provided with an inlet and outlet, has a flange (17) sealed and connected to a side wall inner surface of the inner bag (12) and the connection piece (16) projects outwardly through an orifice (18) in the side wall (19) of the cardboard casing (11), the improved package being constructed with the two triangular wall portions of each inner bag gusset (23), which are located in the bottom and top planes of the package are sealed, as by being welded together, the two narrow side walls (19) as well as the top and bottom surfaces (22) of the package are respectively parallel to each other, and with the narrower side wall (19) containing the removal and connection piece (16) and the opposite narrow side wall form angles of respectively approximately 93° and 87° with their bottom surfaces and angles of respectively 87° and 93° with the top surface.

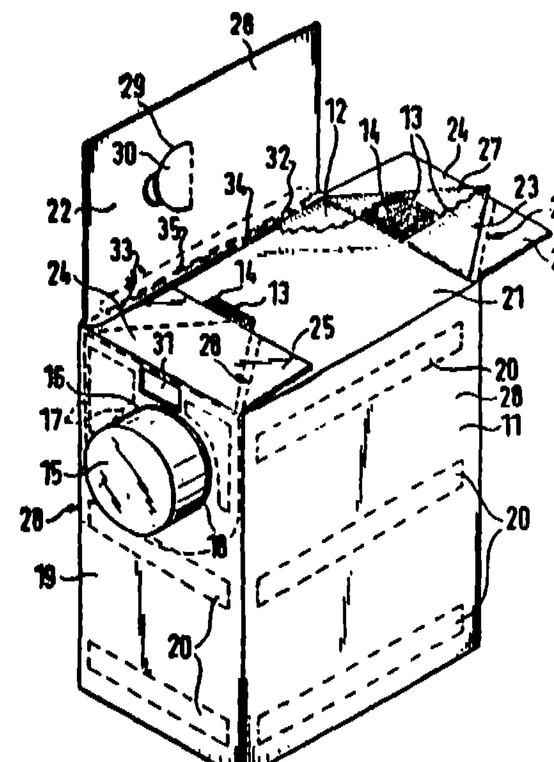


Fig. 2

Compl. Specn. 13 Pages. Drgs. 2 Sheets.

CLASS : 205-B. 168966
Int. Cl. : B 29 c 35/02; B 29 d 30/52.

METHOD AND APPARATUS FOR REPLACING SIDEWALL OF TIRE.

Applicant : OLIVER RUBBER COMPANY, 1200 65TH STREET, OAKLAND, CALIFORNIA 94608, U.S.A.

Inventors : (1) MICHAEL JOHN KING, (2) ROBERT ALYN FLYNN, (3) HENRY TORREZ.

Application No. 238/Cal/1988, filed on 22nd March, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

19 Claims

A method for installing sidewall replacement members on a used tire carcass comprising the steps of :

removing an outer layer of old rubber from the sidewall areas of the tire carcass to expose roughened sidewall surfaces of fresh rubber thereon;

applying a coating of rubber cement to said roughened sidewall surface;

providing a pair of sidewall replacement member of uncured rubber and attaching them to the roughened, cement coated sidewall surfaces of said tire carcass;

providing a pair of flexible sidewall molds, each extending over and adjacent to a said sidewall member on said tire carcass;

placing a flexible curing envelope tire carcass including said molds and said sidewall members and sealing said envelope in the bead area of said tire carcass;

placing the envelope covered tire carcass in a curing chamber to cure said sidewall members and bond them to said tire carcass.

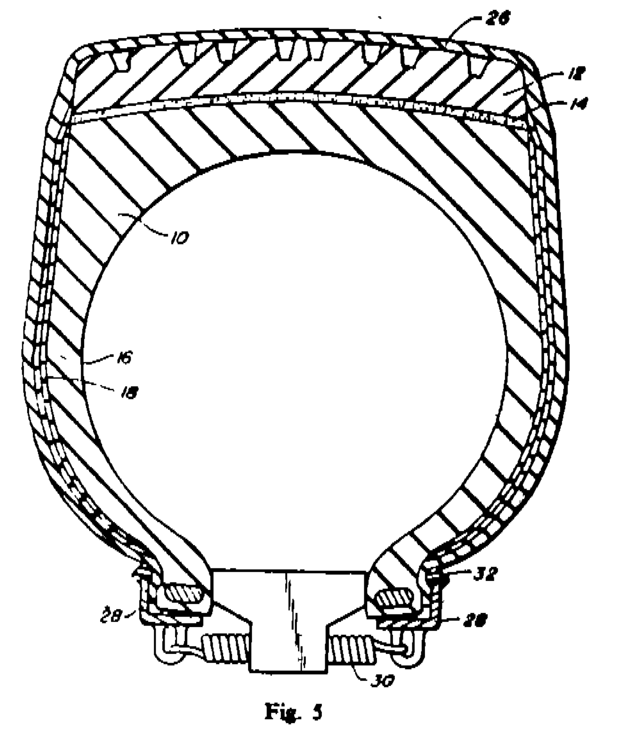


Fig. 5

Compl. Specn. 16 Pages. Drgs. 4 Sheets.

CLASS : 170B. 168967

Int. Cl. : C 11 d 1/68, 3/08, 3/37.

A GRANULAR ADSORBENT AND A PROCESS FOR PREPARING THE SAME.

Applicant : DEGUSA AKTIENGESELLCHAFT, OF 6000 FRANKFURT AM MAIN, WEISSFRAUENSTRASSE 9, F.R. GERMANY.

Inventors : (1) MANFRED DIEHL, (2) WOLFGANG LEONHARDT.

Application No. 314/Cal/1988, filed on 19th April, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

A granular adsorbent having improved adsorption capacity for liquid to paste-like constituents of detergents and cleaning preparations, comprising following components :

(a) 60 to 80% by weight of synthetic sodium alumino silicate, containing bound water capable of cation exchange,

(b) 0.1 to 8% by weight sodium silicate having sodium and silicon ions expressed as oxides in the ratio of $Na_2O : SiO_2 = 1 : 2$ to $1 : 3.5'$.

(c) 2 to 15% by weight of a mixture of two acrylic acid polymers, as herein described having different viscosity numbers,

(d) 8 to 18% by weight water, removable at a drying temperature of 145°C, and optionally,

(e) 0 to 5% by weight of the final product of a nonionic surfactant containing polyglycol ether groups, and

(f) 2-45% by weight of conventional additives based on the final adsorbent,

the adsorbent having an average grain size of 0.2 to 1.2 mm, the percentage of granules smaller than 0.05 mm in size being no more than 2% by weight, and the percentage of granular larger than 2 mm in size being no more than 5% by weight, and a powder density of 444 to 700 g/1.

Compl. Specn. 38 Pages. Drg. NIL.

CLASS : 172-D. 168968

Int. Cl. : D 01 g 19/00.

NEEDLE STRIP IN PARTICULAR A TOP COMB FOR TEXTILE MACHINERY.

Applicant: STAEDTLER & UHL, NORDLICHE RING-STRASSE 12, D-8540 SCHWABACH, F.R. GERMANY.

Inventor: JOSEF EGERER.

Application No. 690/Cal/1988, filed on 17th August, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

Needle strip, in particular a top comb, for textile machinery and the like, comprising at least one row of needles held in place especially between first and second cover plates, wherein the points of the needless extend a certain distance past the bottom edge of the cover plates, thus forming open passageways between the needles, and wherein a cleaning appliance for the removal of deposits that have settled in the open passageways is associated with the needle strip, characterized in that the needle strip comprises at least one air channel (11) in order to conduct a flow of a'r (17) through or past the open passageways (F) to clean them.

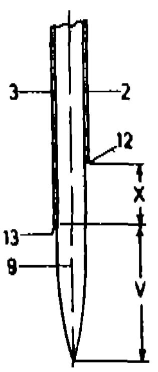


Fig. 3

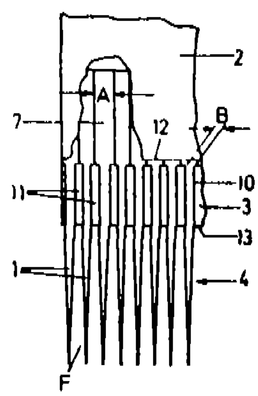


Fig. 4

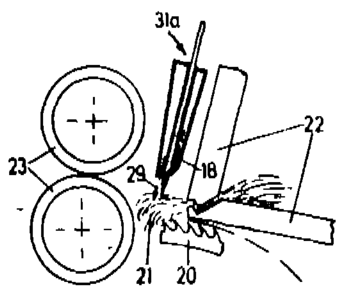


Fig. 8

Compl. Specn. 11 Pages. Drgs. 2 Sheets.

CLASS: 146 c d_1. 168969
Int. Cl.: G 01 j 3/00.

AN INFRARED SPECTROPHOTOMETRIC ANALYSING APPARATUS.

Applicant: SHIELDS INSTRUMENTS LIMITED, OF WHELDRAKE, YORK Y 04 6NA, UNITED KINGDOM.

Inventor: JOHN SHIELDS.

Application No. 928/Cal/1988, filed on 7th November, 1988.

(Convention dated 13th November, 1984; No. 8428660 and 17th April, 1985; No. 8509875; Both are U.K.).

[Divisional of Application No. 807/Cal/85, Ante-dated to November 13, 1985].

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

An infrared spectrophotometric analysing apparatus which comprises an infrared source and a detector therefor, optical means for focussing a beam onto a sample cell, chopper means for periodically obscuring the beam, and filter means for selecting one or more wavelengths from the beam, characterised in that the said apparatus comprises at least two filters, one of which selects a wavelength strongly absorbed by water and the other of which selects a wavelength strongly absorbed by one of the components of the sample.

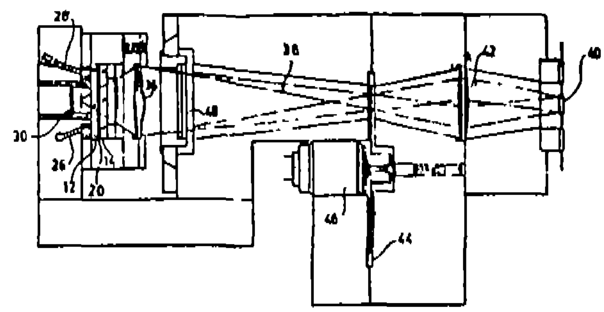


Fig. 3

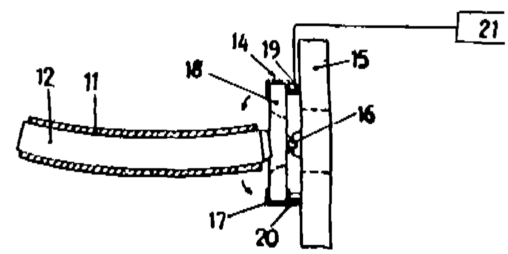


Fig. 5

Compl. Specn. 15 Pages. Drg. 1 Sheet.

CLASS: 141-A, 108-$B_{X(b)}$. 168970
Int. Cl.: C 21 b 1/08.

PROCESS OF PRODUCING IRON BY IRON SMELTING PROCESS.

Applicant: CRA SERVICES LIMITED, OF 55 COLLINS STREET, MELBOURNE, VICTORIA, AUSTRALIA.

Inventors: (1) DR. HOWARD KNOX WORNER, (2) PROF. ALAN STUART BUCHANAN.

Application No. 393/Cal/1989, filed on 22nd May 1989.

(Convention dated 18th March, 1985; No. PG-9776; Australia).

[Divisional of Application No. 207/Cal/1986, Ante-dated to 17th March, 1986].

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A process of producing iron by iron smelting process comprising producing metallurgical composite by the steps of:

(a) subjecting brown coal to shearing forces to produce a plastic mass;

(b) admixing finely divided iron ore and/or a concentrate derived therefrom with the brown coal either during or after step (a);

(c) compacting the mixture produced in step (b) to produce a compacted mass;

(d) drying the compacted mass to produce a metallurgical composite; and

heating the metallurgical composite to a temperature at which the iron ore or concentrate is reduced to metallic iron.

Compl. Specn. 15 Pages. Drgs. 2 Sheets.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration of the design included in the entry.

Class 1. No. 162855. National Research & Development Corpn. of India, 20-22, Zamroodpur Community Centre, Kailash Colony Extension, New Delhi-110048, India. "Catalytic Converter". January 22, 1991.

Class 1. No. 162939. Raj Karer of C-10, Kalindi Colony, New Delhi-110065, India, an Indian National. "Rafters". February 22, 1991.

Class 3. No. 162805. Coffee Haus, Inc. of 3100 West End Avenue, Nashville, Tennessee 37203, U.S.A. "Hood for an insulated beverage dispenser". January 3, 1991.

Class 3. No. 162895. Reliable Rotomoulders (P) Ltd., 18-A, Brabourne Road, 2nd Floor, Calcutta-700001, West Bengal, India, an Indian Company. "Overhead Tank". February 8, 1991.

Class 3. No. 162896. Reliable Rotomoulders (P) Ltd., 18-A, Brabourne Road, 2nd floor Caltutta-700001, West Bengal, India, an Indian Company. "Loft Tank". February 8, 1991.

Class 3. No. 162904. The Procter & Gamble Company of One Procter & Gamble Plaza, Cincinnati, State of Ohio, U.S.A. "Container". February 13, 1991.

Class 3. No. 162958. Altrack Limited of 97, Outram Street, West Perth, in the STATE OF Western Australia, Commonwealth of Australia. "Motor Vehicle". Priority date September 3, 1990. (Australia).

Class 3. No. 163122. Aditya Gupta of L-3, Haus Khas Enclave, New Delhi, India, Indian National. "Locking device". April 10, 1991.

R. A. ACHARYA,
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